

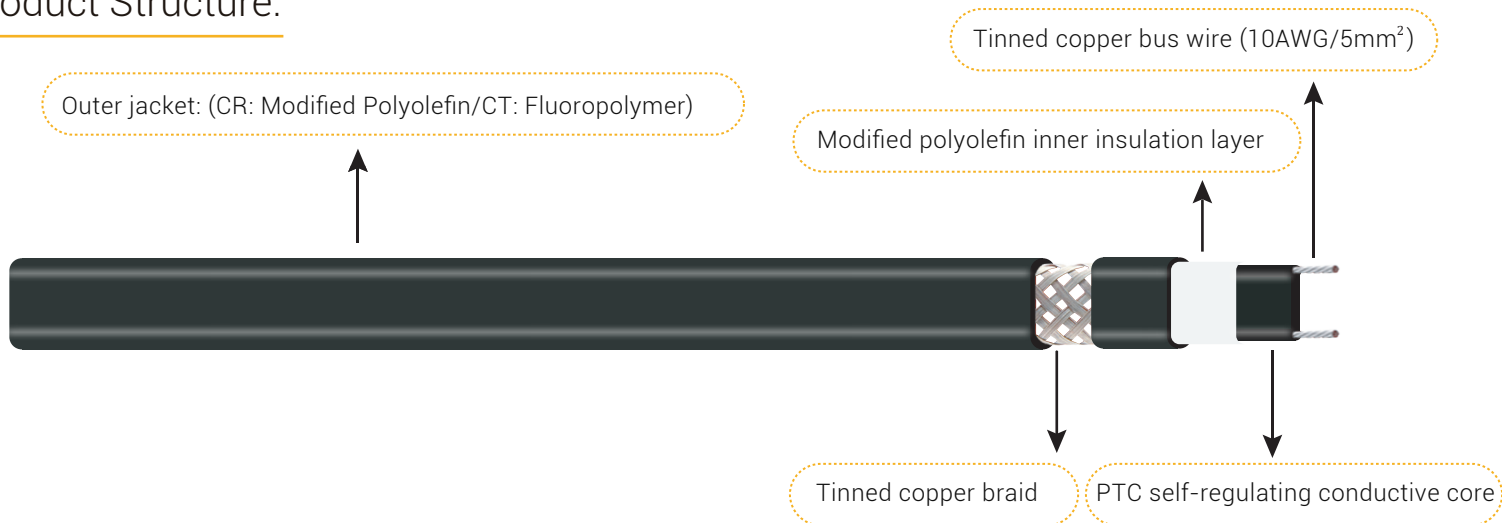


LHTR low temperature self-regulating heating cable

Overview:

Jiahong LHTR low temperature self-regulating heating cable can be used for long pipe antifreeze in residential and commercial applications, and temperature maintenance under maximum exposure temperature. No matter whether the pipeline is overhead or buried installation, LHTR heating cable can maintain the temperature and phase structure of the medium in the pipeline or vessel; Generally, LHTR heating cable is mostly used to freeze protection and snow melting protection on water pipes, Fire sprinkler pipe, grease waste pipe and similar pipes.

Product Structure:



The extruded core tape, which made by parallel tinned copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of modified polyolefin are added to tinned copper braid and the outer jacket form a complete structure of LHTR heating cable, in which the outer jacket can be made of modified polyolefin material (CR) or fluoropolymer material (CT) according to different application or area.

Product Feature:

- ◆ LHTR heating cable is certified by CE (European Union) and EAC (Russian), which can be used in the certified area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption.
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories.
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product.
- ◆ The maximum length will be up to 342m (1125ft) compared with other type of self-regulating cable.



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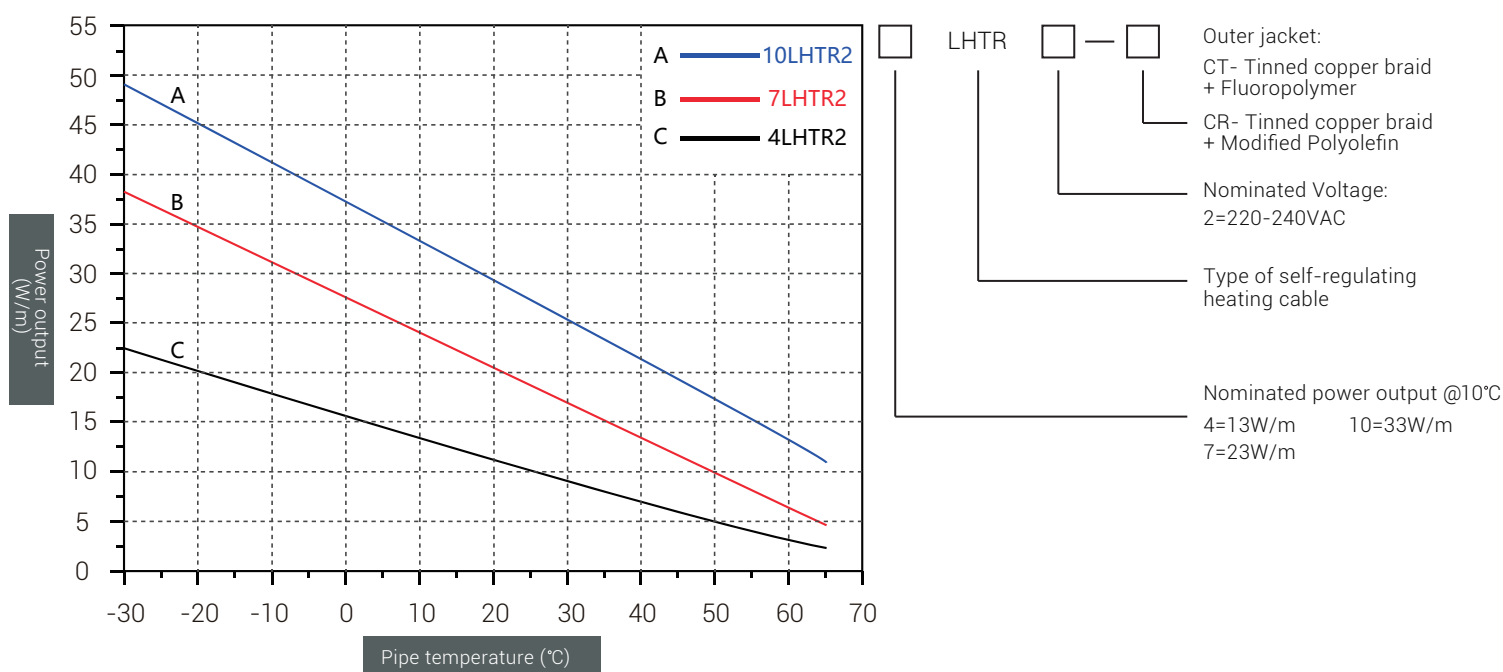




Technical Specification:

Nominated Voltage:	230V (LHTR2)
Maximum maintainece temperature:	+65°C (150°F)
Maximum intermittent exposure temperature:	+85°C (185°F)
Temperature classification:	T6
IP level:	IP66/67
Minimum installation temperature:	-60°C (-76°F)
Minimum bending radius:	40mm
Nominated power output @10°F :	13W/m, 23W/m, 33W/m
Dimension:	CR: 15.46mm (W) ×8.16mm (T) CT: 14.86mm (W) ×7.56mm (T)
Approvals mark:	CE EAC

Power output curve:



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230V voltage level:

Circuit breaker size (A)	Start-up temperature (°C)	Maximum circuit length (m) (Type C circuit breaker based on IEC 60898 standard)		
		4LHTR2	7LHTR2	10LHTR2
16	10	212	115	85
	0	197	107	81
	-10	183	99	74
	-20	171	93	68
	-40	152	82	59
20	10	265	144	106
	0	247	133	101
	-10	228	124	93
	-20	214	116	86
	-40	189	103	74
25	10	315	108	133
	0	308	167	127
	-10	286	155	116
	-20	268	145	107
	-40	237	129	93
32	10	315	230	170
	0	315	213	162
	-10	315	199	149
	-20	315	186	137
	-40	303	165	119
40	10	315	230	190
	0	315	230	190
	-10	315	230	186
	-20	315	230	171
	-40	315	206	149

Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10°C. Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.

2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.

3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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